

Summary of Quantities					
#	Item	Section	Quantity	Unit	Rates/Remarks
1	Special Clearing	201	1	L.S.	
2	Earth Excavation	202	935,750	C.Y.	Compaction Required per SP 205
3	Mine Refuse Excavation	202	581,492	C.Y.	Compaction Required per SP 205
4	Seeding	250	175	Acre	See Schedule This Sheet
5	Nitrogen Fertilizer Nutrient	250	42,000	Pound	See Schedule This Sheet
6	Phosphorous Fertilizer Nutrient	250	70,000	Pound	See Schedule This Sheet
7	Potassium Fertilizer Nutrient	250	105,000	Pound	See Schedule This Sheet
8	Agricultural Ground Limestone	250	350	Ton	See Schedule This Sheet
9	Mulch, Method 2, Procedure 1	IDOT 251	175	Acre	See Schedule This Sheet
10	Erosion Control Blanket	IDOT 251	12,099	S.Y.	
11	Mine Refuse Treatment – Limestone	255	1,000	Ton	50 Ton/Acre
12	Mowing	258	175	Acre	See Schedule This Sheet
13	Coal Combustion By-Products Placement	259	100,000	Ton	See Special Note This Sheet
14	Perimeter Erosion Barrier	280	1,509	Foot	
15	Earth Excavation for Erosion Control	280	135	C.Y.	
16	Stone Riprap A-4	IDOT 281	1,279	S.Y.	
17	Filter Fabric for use w/Riprap	IDOT 282	1,279	S.Y.	
18	Aggregate Surface Course Type B, CA-1	IDOT 402	300	Ton	
19	Aggregate Surface Course Type B, CA-6	IDOT 402	2,772	Ton	
20	Pipe Culvert 15" Corrugated Steel Culvert Pipe, Type 1	IDOT 542	40	Foot	
21	Steel End Section 15" Dia.	IDOT 542	2	Each	
22	Pipe Culvert 24" Corrugated Polyethylene(PE) with a Smooth Interior, Type 1	IDOT 542	50	Foot	
23	Pipe Culvert 42" Corrugated Polyethylene(PE) with a Smooth Interior, Type 1	IDOT 542	130	Foot	
24	Pipe Culvert 8" Corrugated Steel Culvert Pipe, Type 1	IDOT 542	66	Foot	
25	Dewatering Impoundment 1	614	1	L.S.	
26	Dewatering Impoundment 2	614	1	L.S.	
27	Dewatering Impoundment 3	614	1	L.S.	
28	Dewatering Impoundment 4	614	1	L.S.	
29	Woven Wire Fence 4' High	IDOT 665	2,517	Foot	IDOT Standard 665001-01
30	Mobilization (Max. 6% of Bid)	671	1	L.S.	

GENERAL NOTES

Unless otherwise noted on the plans, all disturbed areas within the construction limits will be amended with agricultural ground limestone, fertilizer nutrients, seeded and mulched at the required rates specified in the plans.

The contractor is responsible for visiting the site and familiarizing himself with the existing conditions and the proposed reclamation work prior to submitting a bid.

The contractor shall provide and pay for all field engineering services to execute the project as specified in the Field Engineering section of the Special Provisions.

The contractor is responsible for locating and protecting all existing utility lines pertaining to the work.

Unless noted on the plans, all onsite access roads may be used for construction and must be maintained during construction and restored to original or better condition at the completion of work by the contractor. Access roads to the site as designated in the plans are to be maintained to the satisfaction of the engineer.

The construction limits will be staked by the contractor prior to construction. The contractor is responsible for the repair and or restitution at his own expense for all damages done to any area outside the construction limits.

Application rates specified in the plans are shown in the Summary of Quantities–Rates/Remarks column.

CONSTRUCTION NOTES

BURIAL/REMOVAL OF MATERIAL–Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 and 501 of the Special Provisions.

TREE REMOVAL–Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

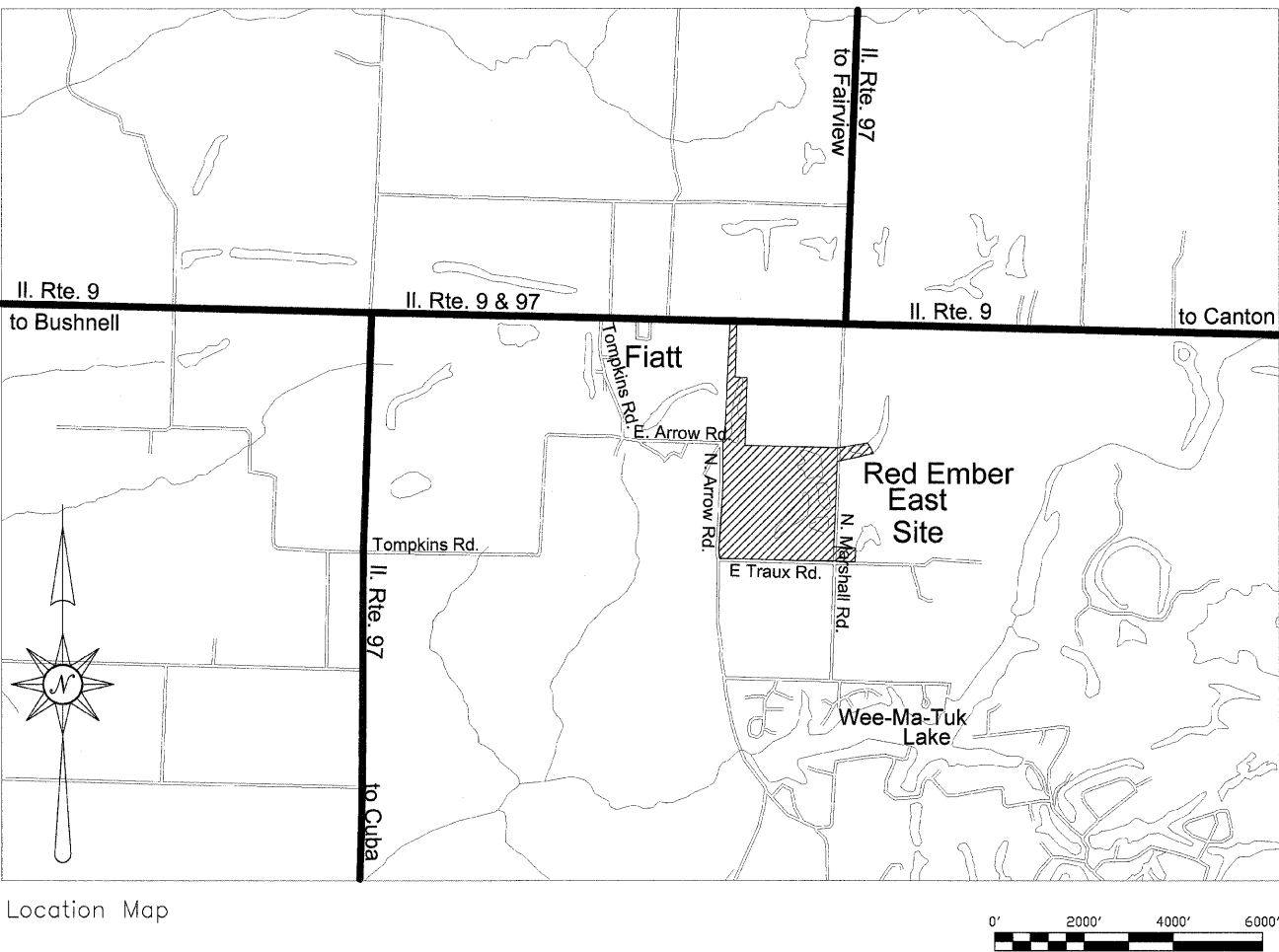
ACID WATER TREATMENT–If acid mine drainage treatment is determined necessary by the engineer, and not otherwise specified in the plans, any water treatment will be paid for in accordance with Article 109.04 of the Standard Specifications.

EROSION CONTROL–The contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures that have become silted in or damaged.

AGRICULTURAL GROUND LIMESTONE–Immediately prior to seed bed preparation, fertilizer nutrients and agricultural ground limestone shall be uniformly spread at the rates specified in the plans.

MULCHING–Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for method 2, procedure 1 of Article 251.03 of the Standard Specifications. If Excelsior or Special Excelsior Blanket is to be used, the blanket shall be placed the same day that the areas are seeded.

MINE REFUSE TREATMENT –After mine refuse has been graded to the subgrade shown in the plans, agricultural ground limestone shall be uniformly spread at the rate specified in the plans. A 3 inch layer of soil shall then be spread over the mine refuse treatment area and blended to a depth of 6 inches with an industrial offset disk approved by the engineer. Treated areas shall then be covered with 33 inches of soil.



Location Map

Special Note:

Coal Combustion By-Products - In Accordance with Article 259 of the Special Provisions, approximately 100,000 tons of CCB's shall be spread in lifts in mine refuse fill areas prior to earth cover placement.

Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing				
ITEM (unit)	March 1, 2011 – April 20, 2011	September 1, 2012 – September 30, 2012	June 15, 2012 – July 15, 2012	TOTAL QUANTITY
SEEDING (acres)	175			175
AGRICULTURAL GROUND LIMESTONE (tons)	350 Tns 2 Tons/Acre			350 Tons
NITROGEN FERTILIZER NUTRIENT (pounds)	21,000 Pounds 120 Lb./Acre	21,000 Pounds 120 Lb./Acre		42,000 Pounds
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	35,000 Pounds 200 Lb./Acre	35,000 Pounds 200 Lb./Acre		70,000 Pounds
POTASSIUM FERTILIZER NUTRIENT (pounds)	52,500 Pounds 300 Lb./Acre	52,500 Pounds 300 Lb./Acre		105,000 Pounds
MULCH, METHOD 2 PROCEDURE 1 (tons)	175 Acres 2 Tons/Acre			175 Acres
MOWING (acres)			175 Acres	175 Acres

State of Illinois  
Department of Natural Resources

Red Ember - East  
Reclamation Project  
AML-GFuE-0803  
Fulton County

Drawn By: \_\_\_\_\_ Date: June 30, 2009  
Checked By: \_\_\_\_\_

Summary of Quantities/  
General Notes/Location Map  
Sheet  
2 of 44